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**Listing of the Claims:**

Please amend the claims to read as follows:

1. (Currently amended) A unitary chamber for counting microscopic objects in a liquid sample, comprising:
  - a top part,
  - a base part disposed substantially parallel to the top part,
  - a counting grid having a plurality of lines defining at least one region in which the microscopic objects are to be counted,
  - a connecting layer disposed between said top part and said base part, the connecting layer having an opening to receive the liquid sample,
  - a sample introduction port for introducing the liquid sample into a volume defined by said top part, said base part and the opening in said connecting layer, and
  - and an air escape port for permitting air to escape from the volume;
  - ~~wherein said connecting layer is between said top part and said base part, and wherein said connecting layer is at a pre-determined thickness.~~
2. (Withdrawn) The unitary chamber as defined in claim 1, wherein said counting grid is an integral part of said top part.
3. (Withdrawn) The unitary chamber as defined in claim 2, wherein said counting grid is on the bottom side of the said top part.
4. (Original) The unitary chamber as defined in claim 1, wherein said counting grid is an integral part of said base part.
5. (Original) The unitary chamber as defined in claim 4, wherein said counting grid is on the top side of the said bottom part.

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6. (Withdrawn) The unitary chamber as defined in claim 1, wherein said sample introduction port and said air escape port are integral parts of said top part.
7. (Currently amended) The unitary chamber as defined in claim 1, wherein said counting grid comprises lines having a line width range from 0.1 micrometer to 1 mm.
8. (Currently amended) The unitary chamber as defined in claim 1, wherein said counting grid comprises lines having a line width range from 1 micrometer to 25 micrometer.
9. (Currently amended) The unitary chamber as defined in claim 1, wherein said counting grid comprises lines having a line thickness range from 0.1 micrometer to 50 micrometer.
10. (Original) The unitary chamber as defined in claim 1, wherein said counting grid is made by polymerizable solution.
11. (Original) The unitary chamber as defined in claim 1, wherein said counting grid is made by the radiation polymerizable solution.
12. (Original) The unitary chamber as defined in claim 1, wherein said counting grid is made by the ultraviolet light polymerizable solution.
13. (Original) The unitary chamber as defined in claim 1, wherein said counting grid is made by polymerizable solution onto the bottom side of the top part.
14. (Original) The unitary chamber as defined in claim 1, wherein said counting grid is made by polymerizable solution onto the top side of the base part.
15. (Withdrawn) The unitary chamber as defined in claim 1, wherein said connecting layer is made with adhesives dispersed with gap defining particles.
16. (Withdrawn) The unitary chamber as defined in claim 1, wherein said connecting layer consists of only pressure sensitive adhesives.

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17. (Withdrawn) The unitary chamber as defined in claim 1, wherein said connecting layer consists of a plastic film, sandwiched by two layers of pressure sensitive adhesives.
18. (Canceled)
19. (Canceled)
20. (Canceled)